

**Gates & Cooper** *LLP*

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CENTRAL FAX CENTER

APR 17 2006

**FAX TRANSMISSION TO USPTO**

TO: Commissioner for Patents  
Attn: Examiner Emmanuel Bayard  
Patent Examining Corps  
Facsimile Center  
Alexandria, VA 22313-1450

FROM: Anthony J. Orler  
OUR REF.: G&C 201.13-US-01  
TELEPHONE: (310) 342-5564

Total pages, including cover letter: 23

PTO FAX NUMBER: **571-273-8300**

If you do NOT receive all of the pages, please telephone us at (310) 641-8797, or fax us at (310) 641-8798.


Title of Document Transmitted:	TRANSMITTAL SHEETS, NOTICE OF CHANGE OF MAILING ADDRESS, REVOCATION AND POWER OF ATTORNEY, AND CERTIFICATE UNDER 37 C.F.R. §3.73(B) WITH COPIES OF 2 RECORDED ASSIGNMENTS.
Applicant:	Ville Eerola et al.
Serial No.:	09/689,680
Filed:	October 13, 2000
Group Art Unit:	2611
Title:	CORRELATOR
Our Ref. No.:	G&C 201.13-US-01

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP.

By: 

Name: Anthony J. Orler  
Reg. No.: 41,232

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

  
Signature

April 17, 2006  
Date

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APR 17 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ville Eerola et al.	Examiner:	Emmanuel Bayard
Serial No.:	09/689,680	Group Art Unit:	2611
Filed:	October 13, 2000	Docket:	G&C 201.13-US-01
Title:	CORRELATOR		

## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to the U.S. Patent and Trademark Office on April 17, 2006.

By:   
Name: Anthony J. Orler

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:


We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing or Transmission under 37 CFR 1.8.
- ☒ Revocation and Power of Attorney including Certificate Under 3.73(b) and Copy of Recorded Assignment.
- ☒ Notice of Change of Mailing Address.

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP. A duplicate of this paper is enclosed.

Customer Number 22462  
**GATES & COOPER LLP**  
Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, CA 90045  
(310) 641-8797

By:   
Name: Anthony J. Orler  
Reg. No.: 41,232  
AJO/bjs

G&C 201.13-US-01

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CENTRAL FAX CENTER

APR 17 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ville Eerola et al.	Examiner:	Emmanuel Bayard
Serial No.:	09/689,680	Group Art Unit:	2611
Filed:	October 13, 2000	Docket:	G&C 201.13-US-01
Title:	CORRELATOR		

## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to the U.S. Patent and Trademark Office on April 17, 2006.

By:   
Name: Anthony J. Orger

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

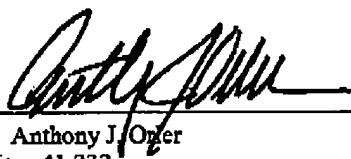
We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing or Transmission under 37 CFR 1.8.
- ☒ Revocation and Power of Attorney including Certificate Under 3.73(b) and Copy of Recorded Assignment.
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Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP. A duplicate of this paper is enclosed.

Customer Number 22462  
**GATES & COOPER LLP**  
Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, CA 90045  
(310) 641-8797

By:   
Name: Anthony J. Orger  
Reg. No.: 41,232  
AJO/bjs

G&C 201.13-US-01

RECEIVED  
CENTRAL FAX CENTERS/N 09/689,680PATENT**APR 17 2006**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ville Eerola et al	Examiner:	Emmanuel Bayard
Serial No.:	09/689,680	Group Art Unit:	2611
Filed:	October 13, 2000	Docket:	G&C 201.13-US-01
Title:	CORRELATOR		

## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited by facsimile transmission with the U.S. Patent and Trademark Office on April 17, 2006.

By: 

Name: Anthony J. Orlor

NOTICE OF CHANGE OF MAILING ADDRESSCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants' attorney, Anthony J. Orlor, Registration No. 41,232 of the firm Gates & Cooper LLP, requests that all communications from the U.S. Patent and Trademark Office in connection with the above-identified patent application be mailed to him at the following address:

GATES & COOPER LLP  
Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, California 90045  
Telephone: (310) 641-8797

Respectfully submitted,

GATES &amp; COOPER LLP

By: Anthony J. Orlor  
Reg. No. 41,232Date: April 17, 2006

AJO/

G&amp;C 201.13-US-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ville Eerola et al.	Assignee:	u-Nav Microelectronics Corporation
Serial No.:	09/689,680	Examiner:	Emmanuel Bayard
Filed:	October 13, 2000	Group Art Unit:	2611
		Docket:	G&C 201.13-US-01
Title:	CORRELATOR		

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## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to the U.S. Patent and Trademark Office on April 17, 2006.

By:   
Name: Anthony J. Orlor

REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Please revoke the existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

George H. Gates	Registration No. 33,500
Victor G. Cooper	Registration No. 39,641
William J. Wood	Registration No. 42,236
Jason S. Feldmar	Registration No. 39,187
Anthony J. Orlor	Registration No. 41,232
Manali Dighe	Registration No. 56,856

Please direct all correspondence in this application to Anthony J. Orlor at

Customer Number 22462

GATES & COOPER LLP  
Howard Hughes Center  
6701 Center Drive West, Suite 1050  
Los Angeles, California 90045  
Telephone: (310) 641-8797

G&C 201.13-US-U1

U-NAV MICROELECTRONICS CORPORATION, as assignee, declares that 100% ownership is established for the above-referenced invention, and patent application. A Certificate under 37 C.F.R. 3.73(b) is enclosed.

Respectfully submitted,

U-NAV MICROELECTRONICS  
CORPORATION

Dated: APRIL 14, 2006

By: [Signature]

Name: CHIEF WINNER

Title: COO

AJO/bjs

Enclosures: Certificate Under 37 C.F.R. §3.73(b)  
Copy of Recorded Assignment

G&C 201.13-US-U1

S/N 09/689,680

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Ville Eerola et al.	Examiner:	Emmanuel Bayard
Serial No.:	09/689,680	Group Art Unit:	2611
Filed:	October 13, 2000	Docket:	G&C 201.13-US-01
Title:	CORRELATOR		

---

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

U-NAV MICROELECTRONICS CORPORATION, a corporation organized and existing under the laws of the State of California, having a place of business at 8 Hughes, Irvine, California 92618, certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of:

A chain of title from the inventor(s) of the patent application to the current assignee as shown below:

**From:** Ville Eerola and Tapani Ritoniemi      **To:** VLSI SOLUTION OY

The document was recorded in the U.S. Patent and Trademark Office at Reel 013042, Frame 0253, for which a copy thereof is attached.

**From:** VLSI SOLUTION OY      **To:** u-Nav Microelectronics Corporation

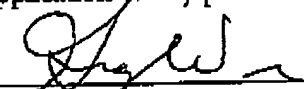
The document was recorded in the U.S. Patent and Trademark Office at Reel 013041, Frame 0810, for which a copy thereof is attached.

Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, as the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: April 14, 2006

By: 

Name: GREG L. WINNER

Title: COO



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

SEPTEMBER 03, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

IRELL & MANELLI LLP  
KIMBERLEY G. NOBLES  
840 NEWPORT CENTER DRIVE, SUITE 400  
NEWPORT BEACH, CA 92660



\*102143974A\*

U-NAV MICROELECTRONICS CORP.

UNITED STATES PATENT AND TRADEMARK OFFICE 157622-0013(P002)  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/02/2002

REEL/FRAME: 013041/0810  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

VLST SOLUTION OY

DOC DATE: 05/22/2002

ASSIGNEE:

U-NAV MICROELECTRONICS CORPORATION  
15255 ALTON PARKWAY,  
SUITE 200  
IRVINE, CALIFORNIA 92618

SERIAL NUMBER: 09689680  
PATENT NUMBER:

FILING DATE: 10/13/2000  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DOCKETED

RECEIVED

SEP 03 2002

IRELL & MANELLA LLP

07-05-2002



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 6/31/2002)

Tab settings

102143974

## PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

VLSI Solution OY

7.2.02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: May 22, 2002

## 2. Name and address of receiving party(ies)

Name: u-Nav Microelectronics Corporation

Internal Address: \_\_\_\_\_

Street Address: 15255 Alton Parkway, Suite 200City: Irvine State: CA Zip: 92618Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/689,680

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kimberley G. Nobles

Internal Address: \_\_\_\_\_

Street Address: Irell & Manella LLP840 Newport Center Drive, Suite 400City: Newport Beach State: CA Zip: 926606. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

09-0946

DO NOT USE THIS SPACE

## 9. Signature.

Kimberley G. Nobles, Reg. No. 38,255

Name of Person Signing

Signature

June 26, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

07/05/2002 LMJELLER 00000078 09689680

01 FC:581..

40.00 OP

## ASSIGNMENT

WHEREAS, VLSI Solution OY, a corporation organized and existing under the laws of Finland, having its principal place of business at Hermiankatu 6-8 C, FIN-33720 Tampere, Finland (hereinafter referred to as "Assignor") owns the entire right, title and interest for Finland and any and all other countries, in and to all inventions and any improvements which are disclosed in the following applications entitled Correlator:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>
Finland	FI-19992209 (provisional application)	October 13, 1999
Finland	FI-20000519 (non-provisional application)	March 7, 2000
United States	09/689,680	October 13, 2000
PCT	PCT/FI00/00882	October 12, 2000

AND WHEREAS, u-Nav Microelectronics Corporation, a corporation organized and existing under the laws of the United States, having its principal place of business at 15255 Alton Parkway, Suite 200, Irvine, CA 92618, USA (hereinafter, together with its successors, legal representatives or assigns thereof, referred to as "Assignee") wants to acquire Assignor's entire right, title and interest in and to said inventions and improvements;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has assigned, transferred and set over, and does hereby sell, assign, transfer and set over to Assignee Assignor's entire right, title and interest in and to said inventions and improvements, and each of said applications and all non-provisional, utility, divisional, substitute, continuation and continuation-in-part applications thereof in all countries, and all Finnish Letters Patents, United States Letters Patent, and patents of any and all other countries, which may be granted thereon and all re-examinations, reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents including related rights such as non-provisionals, PCT applications, utility-model registrations, inventor's certificates, and the like heretofore or hereafter filed for said inventions and improvements in any and all countries, and all patents (including all non-provisionals, extensions, renewals, reexaminations and reissues thereof) granted for said inventions and improvements in any and all countries.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee any known facts respecting said inventions and improvements, and will testify in a legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, continuation-in-part, substitute, and reissue applications, and all foreign applications, make all rightful Oaths and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said inventions and improvements; in all countries.

AND ASSIGNOR HEREBY authorizes and requests the officials of the Finnish Patent Office and officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue all patents for said inventions and improvements to Assignee in accordance with the terms of this Assignment;

Executed this 22 day of May, 2002, at Tampere.

VLSI Solution OY

Tapani Ritonien  
Name: Tapani Ritonien  
Title: CEO

I, Leena Lintusaari, declare that I was personally present and did see Tapani Ritonien duly sign and execute the above assignment on behalf of VLSI Solution OY.

Leena Lintusaari  
(Signature of Witness)

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

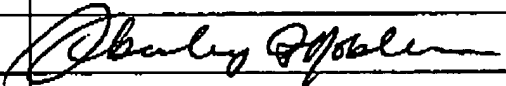
Approved for use through 10/31/2002. OMB 0651-0031

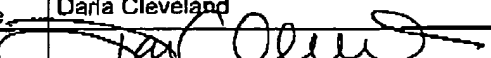
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/689,680	
	Filing Date	October 13, 2000	
	First Named Inventor	Ville Eerola et al.	
	Group Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	6	Attorney Docket Number	157622-0013

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kimberley G. Nobles, Reg. No. 38,255 IRELL & MANELLA LLP
Signature	
Date	June 26, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>June 26, 2002</u>	
Typed or printed name	Darla Cleveland
Signature	
Date	June 26, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

APR 17 2006

PTO/SB/17 (11-01)

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 40.00

**Complete if Known**

Application Number	09/689,680
Filing Date	October 13, 2000
First Named Inventor	Ville Eerola et al.
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	157622-0013

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number 09-0946

Deposit Account Name Irell &amp; Manella LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	205	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	180	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Extra Claims Fee from below Fee Paid

Total Claims -20\*\* =  X  =

Independent Claims -3\*\* =  X  =

Multiple Dependent  =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	60	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
126	1,960	226	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(a)	
128	180	128	180	Submission of Information Disclosure Stmt	
681	40	681	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
168	800	168	800	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

**SUBMITTED BY**

Name (Print/Type) Kimberley G. Nobles

Registration No. 38,255  
(Attorney/Agent)**Complete (if applicable)**

Telephone (949) 760-0991

Signature

Date June 26, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

APR 17 2006

PTO/SB/17 (11-01)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 40.00

**Complete if Known**

Application Number	09/689,680
Filing Date	October 13, 2000
First Named Inventor	Ville Eerola et al.
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	157622-0013

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

09-0946

Irell &amp; Manella LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
108 330	208 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ ) 0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims  - 20\*\* =  X  =

Independent Claims  - 3\*\* =  X  =

Multiple Dependent  =

Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 84	202 42	Independent claims in excess of 3	
104 280	204 140	Multiple dependent claim, if not paid	
108 84	208 42	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ ) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 60	227 25	Surcharge - late provisional filing fee or cover sheet	
138 130	138 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
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140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
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144 620	244 310	Plant issue fee	
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126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00
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149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
178 740	278 370	Request for Continued Examination (RCE)	
189 900	189 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 40.00

**SUBMITTED BY**

Name (Print/Type) Kimberley G. Nobles

Registration No. 38,255

**Complete (if applicable)**

Telephone (949) 760-0991

Signature

Date

June 26, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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Washington, DC 20231  
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IRELL & MANELLA LLP  
KIMBERLEY G. NOBLES  
840 NEWPORT CENTER DRIVE  
SUITE 400  
NEWPORT BEACH, CA 92660



\*102143988A\*

U-NAV MICROELECTRONICS CORP.

UNITED STATES PATENT AND TRADEMARK OFFICE 157622-0013(P002)  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF  
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
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SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/02/2002

REEL/FRAME: 013042/0253  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
EEROLA, VILLE

DOC DATE: 05/21/2002

ASSIGNOR:  
RITONIEMI, TAPANI

DOC DATE: 05/22/2002

ASSIGNEE:  
VLSI SOLUTION OY  
HERMIANKATU 6-8 C  
FIN-33720 TAMPERE, FINLAND

SERIAL NUMBER: 09689680  
PATENT NUMBER:

FILING DATE: 10/13/2000  
ISSUE DATE:

THERESA FREDERICK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DOCKETED

RECEIVED

SEP 09 2002

IRELL & MANELLA LLP

07-03-2002



102143988

RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Ville Eerola  
Tapani Ritoniemi

7.2.02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: May 21, 2002 and May 22, 2002

## 2. Name and address of receiving party(ies)

Name: VLSI Solution OY

Internal Address: \_\_\_\_\_

Street Address: Hermiankatu 6-8 C, FIN-33720

Tampere, Finland

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 09/689,680

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kimberley G. Nobles

Internal Address: \_\_\_\_\_

Street Address: Irell &amp; Manella LLP

840 Newport Center Drive, Suite 400

City: Newport Beach State: CA Zip: 92660

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

09-0946

DO NOT USE THIS SPACE

## 9. Signature.

Kimberley G. Nobles, Reg. No. 38,255

Name of Person Signing

Signature

June 26, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

07/05/2002 LWEILLER 00000062 09689580

01 FC:581

40.00 OP

## ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Ville EEROLA and Tapani RITONIEMI**

hereby sell, assign, and transfer to:

**VLSI Solution OY**

a corporation organized and existing under the laws of Finland, having a principal place of business at Hermiankatu 6-8 C, FIN-33720 Tampere, Finland ("Assignee"), and its successors, assigns, and legal representatives, our entire right, title, and interest for Finland and any and all other countries, in and to any and all inventions and improvements that are disclosed in the following applications entitled Correlator:

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u>
Finland	FI-19992209 (provisional application)	October 13, 1999
Finland	FI-20000519 (non-provisional application)	March 7, 2000
United States	09/689,680	October 13, 2000
PCT	PCT/FI00/00882	October 12, 2000

and in and to each of said applications and all non-provisional, utility, divisional, continuation, continuation-in-part, substitute, renewal, reexamination, reissue, and all other patent applications that have been or shall be filed in Finland and any and all other countries on any of said inventions and improvements; and in and to all original, re-examined and reissued patents that have been or shall be issued in Finland and any and all other countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of any of said applications, and in all subsequent non-provisional, utility, PCT and foreign applications claiming priority to one or more of these applications.

Assignors agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all non-provisional, utility, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee,

its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

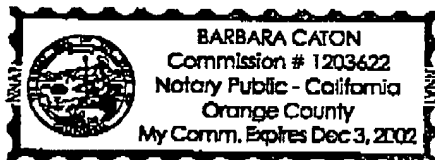
Executed this 21 day of May, 2002, at Newport Beach, CA.

Ville Eerola  
Ville Eerola

STATE OF CALIFORNIA )  
COUNTY OF ORANGE ) ss.

On this 21<sup>st</sup> day of MAY, in the year of 2002, before me, BARBARA CATON, the undersigned notary public, personally appeared the above-named assignor, Ville Eerola, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

[Seal]



Barbara Caton  
Notary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2002, at \_\_\_\_\_.

\_\_\_\_\_  
Tapani Ritonieni

I, \_\_\_\_\_, declare that I was personally present and did see Tapani Ritonieni duly sign and execute the above assignment.

\_\_\_\_\_  
(Signature of Witness)

its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2002, at \_\_\_\_\_.

\_\_\_\_\_  
Ville Eerola

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of \_\_\_\_\_, before me, \_\_\_\_\_, the undersigned notary public, personally appeared the above-named assignor, \_\_\_\_\_, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

[Seal]

\_\_\_\_\_  
Notary Public

Executed this 22 day of May, 2002, at Tampere.

\_\_\_\_\_  
Tapani Ritoniemi

I, Leena Lintusaari, declare that I was personally present and did see Tapani Ritoniemi duly sign and execute the above assignment.

\_\_\_\_\_  
(Signature of Witness)

Please type a plus sign (+) inside this box → ☐

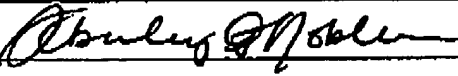
PTO/SB/21 (08-00)

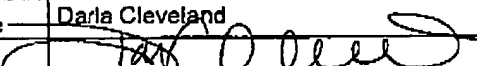
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/689,680	
	Filing Date	October 13, 2000	
	First Named Inventor	Ville Eerola et al.	
	Group Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	7	Attorney Docket Number	157622-0013

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kimberley G. Nobles, Reg. No. 38,255 IRELL & MANELLA LLP
Signature	
Date	June 26, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>June 26, 2002</u>	
Typed or printed name	Darla Cleveland
Signature	
Date	June 26, 2002

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PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0551-0032  
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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 40.00

**Complete if Known**

Application Number	09/689,680
Filing Date	October 13, 2000
First Named Inventor	Ville Eerola et al.
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	157622-0013

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number	09-0946
Deposit Account Name	Irell & Manella LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
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108	84	208	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
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Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

**SUBMITTED BY**

Name (PrintType) Kimberley G. Nobles

Registration No. 38,255

(Attorney/Agent)

**Complete (if applicable)**

Telephone (949) 760-0991

Signature

Date

June 26, 2002

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PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032  
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**FEE TRANSMITTAL  
for FY 2002**

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**Complete if Known**

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Filing Date	October 13, 2000
First Named Inventor	Ville Eerola et al.
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	157622-0013

**METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:  
Deposit Account Number: 09-0946  
Deposit Account Name: Irell & Manella LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

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SUBTOTAL (1) (\$) 0.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims Independent Claims Multiple Dependent

Extra Claims Fee from below

-20\*\* =  X  =

-3\*\* =  X  =

Fee Paid

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\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

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142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(a)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
189	800	189	800	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

**SUBMITTED BY**

Name (Print/Type) Kimberley G. Nobles

Signature

Registration No. (Attorney/Agent)

38,255

**Complete (if applicable)**

Telephone (949) 760-0991

Date

June 26, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.